

Listing of Claims:

This listing of claims will replace all prior version, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

1. (Currently Amended) An optical scanner, comprising:

a carrier having a connecting unit, ~~wherein the carrier has~~ and an optical system mounted thereon;
a casing having a guiding rail, wherein the guiding rail is formed on an interior wall of the casing as an integral unit and the guiding rail has at least a fastener ~~[[for]]~~ capable of latching with the connecting unit of the carrier;
a driving unit; and
a transmission unit ~~linking up~~ capable of coupling the driving unit and the carrier, ~~wherein the driving unit~~ capable of driving drives the transmission unit to pull the carrier to move along the guide rail through the connecting unit of the carrier and the fastener of the guide rail.

2. (Currently Amended) The optical scanner of claim 1, wherein the connecting unit of the carrier has at least a protruding section and the fastener of the guiding rail has a recess section ~~for~~ capable of engaging with the protruding section of the connecting unit.

3. (Currently Amended) The optical scanner of claim 1, wherein the guiding rail ~~[[is]]~~ comprises a section protruding from the interior wall of the casing.

4. (Currently Amended) The optical scanner of claim 3, wherein the guiding rail has a substantially U-shaped opening section having a plurality of ribs set at predetermined intervals inside the opening section ~~for connecting sidewalls of the opening and strengthening the casing and the guiding rail.~~

5. (Currently Amended) The optical scanner of claim 1, ~~wherein the optical system further comprises~~ comprising: a set of reflecting mirrors, a lens and an optical sensor.

6. (Original) The optical scanner of claim 5, wherein the optical sensor comprises a charge couple device.

7. (Original) The optical scanner of claim 1, wherein material constituting the casing comprises a soft

and grind-resistant material.

8. (Currently Amended) The optical scanner of claim 7, wherein the soft and grind-resistant material is comprises one or more of the following: selected from a group consisting of polycarbonate resin, nylon, polyoxymethylene ~~and or~~ polybutylene terephthalate.

9. (Currently Amended) An optical scanner, comprising:

a carrier having a connecting unit, ~~wherein the carrier has~~ and an optical system mounted thereon; a

casing having at least two fixing sections on an interior wall of the casing;

a guiding rail having at least two base fastening sections and at least a sliding fastener,

~~wherein the base fastening sections of the guiding rail~~ capable of latching onto the respective fixing sections of the casing and the sliding fastener capable of latching ~~latches~~ onto the connecting unit of the carrier;

a driving unit; and

a transmission unit ~~linking up~~ capable of coupling the driving unit and the carrier, wherein the driving unit capable of driving drives the transmission unit to pull the carrier to move along the guide rail through the connecting unit of the carrier and the sliding fastener of the guide rail.

10. (Original) The optical scanner of claim 9, wherein material constituting the casing comprises a soft and grind-resistant material.

11. (Currently Amended) The optical scanner of claim 9, wherein the soft and grind-resistant material is comprises one or more of the following: selected from a group consisting of polycarbonate resin, nylon, polyoxymethylene ~~and or~~ polybutylene terephthalate.

12. (Currently Amended) The optical scanner of claim 9, wherein the guiding rail has a substantially U-shaped opening section having a plurality of ribs set at predetermined intervals inside the opening ~~for~~ capable of connecting sidewalls of the opening ~~for~~ capable of strengthening the guiding rail.

13. (Currently Amended) The optical scanner of claim 9, wherein the connecting unit of the carrier has at least a protruding section and the sliding fastener of the guiding rail has a recess section ~~for~~ capable of engaging with the protruding section of the connecting unit.

14. (Currently Amended) The optical scanner of claim 9, wherein the fixing section is a substantially L-shaped extension from the casing and the sliding fastener of the guiding rail is an open hole such that the sliding fastener latches onto the fixing section to attach the guiding rail to the casing.

15. (Original) The optical scanner of claim 9, wherein the guiding rail is engaged to the interior wall of the casing.

16. (Original) The optical scanner of claim 9, wherein the optical system further comprises a set of reflecting mirrors, a lens and an optical sensor.

17. (Original) The optical scanner of claim 16, wherein the optical sensor comprises a charge couple device.

18. (New) An optical scanner, comprising:

a carrier having a connecting unit, wherein the carrier has an optical system mounted thereon; and
a casing having a guiding rail, wherein the guiding rail is formed on an interior wall of the casing as an integral unit and the guiding rail has at least a fastener capable of latching with the connecting unit of the carrier.

19. (New) The optical scanner of claim 18, wherein the connecting unit of the carrier has at least a protruding section and the fastener of the guiding rail has a recess section capable of engaging with the protruding section of the connecting unit.

20. (New) The optical scanner of claim 18, wherein the guiding rail comprises a section protruding from the interior wall of the casing, and wherein the guiding rail has a substantially U-shaped opening section having a plurality of ribs set at predetermined intervals inside the opening section.